

REMARKS**Introductory Comments:**

Claims 1-20 are pending in the application. Claims 5 and 13 are objected to for informalities. Claims 1, 3-5, 7, and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Kitadate et al. (U.S. Patent No. 4,384,360). Claims 1, 2, 6, 7, 13, and 14 are rejected under 35 U.S.C. 102(e) as being anticipated by Radley et al. (U.S. Pub. No. 2004/0218725 A1). Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kitadate et al. (U.S. Patent No. 4,384,360) as applied to claim 1 above. Claim 6 is rejected under 35 U.S.C. 103(a) as being obvious over Kitadate in view of Cheon (U.S. Patent No. 6,313,990 B1). Claim 3-5 are rejected under 35 U.S.C. 103(a) as being obvious over Radley et al. as applied to claim 1 above. Claims 15-20 are allowed, claims 8-12 are allowable if rewritten, claims 7-8 are cancelled, and the Applicants respectfully request reconsideration of claims 1-6 and 9-14.

In Response To The Claim Objections:

Regarding the claim objections discussed in paragraphs 1-2 of the Office Action, the Applicants have amended the claims in accordance with the Examiner's suggestions. No new matter has been added.

Applicants believe that the claim objections are overcome in view of the aforementioned amendments thereto.

In Response To The 35 U.S.C. 102 Claim Rejections:

Claims 1, 3-5, 7, and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Kitadate. According to the Office Action, Kitadate discloses a cooling system for an imaging system comprising: a mounting plate comprising a first side and an opposing second side, the mounting plate further defining at least one opening; at least one "heat conductor" extending through the at least one opening and through

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at least a portion of a dielectric fluid reservoir defined adjacent the second side of the mounting plate and enclosing an x-ray source; and a heat sink coupled to the first side of the mounting plate, the heat sink receiving at least a portion of the at least one heat conductor.

Although the Applicants believe claim 1 to be allowable, they nevertheless amend claim 1 to include the elements of claims 7 and 8, and claims 7 and 8 have been cancelled. No new matter has been added. Important to note is that the Applicants are not, by this amendment, intending to give up matter that would be otherwise be patentable through different amendments to the claims or through new claims, which may be presented at a later date in, for example, a reissue application. The Applicants believe the amended claim 1 to be new and nonobvious because the claim includes the elements of claim 8, which were determined to be allowable.

Claims 2-6 and 9-14 depend from the amended claim 1 and are believed to be allowable for at least this reason.

Claims 1, 2, 6, 7, 13, and 14 are further rejected as being anticipated by Radley. As claim 1 has been amended to include the elements of claims 7 and 8, claim 7 has been cancelled, and claims 2, 6, 13, and 14 depend from claim 1, these claims are believed to be allowable for at least the reasons stated above.

In Response To The 35 U.S.C. 103(a) Claim Rejections:

Claim 2 is rejected under as being unpatentable over Kitadate as applied to claim 1 above. With regard to claim 2, Kitadate allegedly discloses the system of claim 1. The Office Action recognizes that Kitadate fails to teach that at least one heat conductor comprises a polygonal, semi-circular, or irregular cross-section. As claim 2 depends from the amended claim 1, and claim 1 is believed to

be new and nonobvious in view of Kitadate, claim 2 is also believed to be allowable at least because of its dependence therefrom.

Claim 6 is rejected as being obvious over Kitadate in view of Cheon. With regard to claim 6, Kitadate allegedly discloses the system of claim 1. The Office Action recognizes that Kitadate fails to teach that the heat sink comprises a plurality of thermally conductive blocks coupled to the first side of the mounting plate, or a solid thermally conductive block coupled to the first side of the mounting plate. The Office Action alleges that Cheon discloses a heat sink that comprises a plurality of thermally conductive blocks.

Claim 6 depends from the amended claim 1, and claim 1 is believed to be new and nonobvious in view of Kitadate. The combination of Kitadate and Cheon does not render claim 1 obvious, and therefore claim 6 is also believed to be allowable at least because of its dependency on claim 1.

Claims 3-5 are rejected as being unpatentable over Radley as applied to claim 1 above. Claims 3-5 depend from the amended claim 1, and claim 1 is believed to be new and nonobvious in view of Radley, and therefore claims 3-5 are also believed to be allowable at least because of their dependency on claim 1.

Conclusions:

In view of the aforementioned remarks, it is respectfully submitted that all pending claims are in a condition for allowance. A notice of allowability is therefore respectfully solicited. Please charge any fees required in the filing of this amendment to Deposit Account 07-0845.

Should the Examiner have any further questions or comments please
contact the undersigned.

Respectfully submitted,

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